KRIS PARDO

Jet Propulsion Laboratory (NASA)
Postdoctoral Research Scholar

RESEARCH EXPERIENCE

Postdoctoral Research Scholar, Jet Propulsion Laboratory — Sept. 2019 - Present
Graduate Research Assistant, Princeton University — 2014 - 2019

EDUCATION

Princeton University — 2019
Ph.D. in Astrophysical Sciences
Advisor: David Spergel
M.A. in Astrophysical Sciences — 2016
Furman University
B.S. in Physics & Mathematics — 2014

HONORS, AWARDS, & FELLOWSHIPS

NSF Graduate Student Research Fellowship — 2014-2019
Balzan Fellow, New College, Oxford — Trinity Term 2018
Summa Cum Laude, Furman University — 2014
Phi Beta Kappa — 2014
American Physical Society Minority Scholar — 2010-2012

PUBLICATIONS

Goulding, A.D.; **Pardo, K.**; Greene, J. E.; Mingarelli, C. M. F.; Nyland, K.; Strauss, M. A.*Discovery of a Close-separation Binary Quasar at the Heart of a* $z \sim 0.2$ *Merging Galaxy and Its Implications for Low-frequency Gravitational Waves*, ApJL, 879, 2, L21 (2019)

Pardo, K.; Fishbach, M.; Holz, D.E.; Spergel, D. N., *Limits on the Number of Spacetime Dimensions from GW 170817*, JCAP, 07, 048 (2018)

Pardo, K.; Goulding, A. D.; Greene, J. E.; Somerville, R. S.; Gallo, E.; Hickox, R. C.; Miller, B. P.; Reines, A. E.; Silverman, J. D., *X-Ray Detected Active Galactic Nuclei in Dwarf Galaxies at* $0 < z < 1$, ApJ, 2, 203 (2016)

RESEARCH GRANTS

Chandra Cycle 17: *Probing AGN Feedback on Nuclear and Galaxy-wide Scales*, (PI, $52,645) — 2015

TALKS

Implications for the Stochastic Gravitational Wave Background from a Massive Binary Quasar
Physics Gravity Group Seminar, Princeton University — Apr. 2019
Constraining Self-Interacting Dark Matter with Galaxy Warps
KICP Seminar, University of Chicago, IL — Feb. 2019
American Astronomical Society Meeting (Seattle, WA) — Jan. 2019
Tea & Talk, Stanford University, CA — Sept. 2018

Astrophysical Tests of Gravitation and Dark Matter

BCCP Seminar, University of California at Berkeley, CA — Oct. 2018
Astrophysics Seminar, University of California at Irvine, CA — Oct. 2018
CCAPP Seminar, Ohio State University, OH *(Invited)* — Sept. 2018

Testing Modified Gravity with Dwarf Galaxies and Gravitational Waves

Astrophysics Thursday Lunch Seminar (Thunch), Princeton University — Apr. 2018
Physics Gravity Group Seminar, Princeton University — Mar. 2018

AGN in Dwarf Galaxies as a Gateway to the Growth of the First Massive BHs (Invited)

Black Hole Workshop, Center for Computational Astrophysics (CCA) — Dec. 2016

Searching for Low-Mass AGN to $z<1$

American Astronomical Society Meeting (Orlando, FL) — Jan. 2016
Northeast Regional Quasar and AGN Meeting, Dartmouth College — Jun. 2015

TEACHING EXPERIENCE

Teaching Assistant, AST 204, *Topics in Modern Astronomy*, Princeton University — Spring 2017
Teaching Assistant, AST 301/PHY 321, *General Relativity*, Princeton University — Fall 2015
Teaching Assistant, *Introduction to Electricity & Magnetism*, Furman University — Spring 2014
Lab Assistant, *Introduction to Mechanics*, Furman University — Fall 2011 - Fall 2013
Lab Assistant, *Introduction to Electricity & Magnetism*, Furman University — Fall 2011 - Fall 2013

SERVICE & LEADERSHIP

Referee for Monthly Notices of the Astronomical Society — 2017
Computational Astrophysics Seminar Co-Organizer — 2016-2017
With two other graduate students, proposed and received funding from the Princeton graduate school to run a seminar. Then invited speakers, advertized events, and chaired talks
Substitute Faculty Advisor, Forbes College, Princeton University — 2018
Asked to fill-in for a faculty member as a freshmen advisor
Resident Graduate Student, Forbes College, Princeton University — 2015 - present
Mentor and role model to undergraduate students

SCIENCE COMMUNICATION & OUTREACH

Public Observing Host (English & Spanish), Princeton University — 2014 - present
Resident Graduate Student, Forbes College, Princeton University — 2015 - present
Organize events, including stargazing nights, for undergraduate students
Public Talk for Princeton Area Alumni Associaton *(Invited)* — Nov. 2018
Interviewed for popular science articles/videos, which featured my research:

How to Detect Extra Dimensions
PBS Space Time, YouTube video — 10/03/18

If Extra Dimensions Do Exist, They Must Be Really, Really Small
Mara Johnson-Groh, Live Science — 09/25/18

Are We Closer to Finding a Fifth Dimension?
Matthew Francis, Daily Beast — 02/08/18

Researchers Check Space-Time to See if Its Made of Quantum Bits
Ramin Skibba, Quanta Magazine — 06/21/17